

I CLAIM:

1. An improved structure of a receptacle for earphone wire having a front shell, a rear shell enclosing a rolling disc mounting with an earphone wire, a spring being provided within the rolling disc and one side of the rolling disc being connected to a soft-coiled wire having connected to the earphone wire and a connection wire, an earphone seat being provided to the front shell and a clipping hook being provided within the earphone, characterized in that the front shell contains a switching button, an interconnection rod urged against the switching button and a swinging rod which can actuate the rolling disc, and a pulling rod passed through the front shell capable of triggering the interconnection rod is provided to the clipping hook, the earphone seat is provided with a pushing rod pivotally mounted at the front shell, and the pushing rod passes through the front shell and interconnects with the swinging rod, thereby the withdrawing out or inserting in the earphone can control the switching button of the earphone or the rotating of the rolling disc so that the earphone can be automatically switched ON or switched OFF.
2. The improved structure of a receptacle for earphone wire of claim 1, wherein a shaft axle is provided to the front shell allowing the pivotal mounting of the rolling disc, the earphone wire and the connection wire

pass through the top hole and bottom hole provided on the top and bottom end of the front shell, a sliding hole is provided to the front shell along the pulling rod to pass through and slide within the sliding hole, and a pivot hole is provided to the front shell for the pivotal mounting of the pushing rod, and the interconnection rod is pivotally mounted on the inner side of the front shell.

3. The improved structure of a receptacle for earphone wire of claim 1 or 2, wherein the pulling rod passed through the sliding hole and urges one side of the interconnection rod.

4. The improved structure of a receptacle for earphone wire of claim 1 or 2, wherein the swinging rod is pivotally mounted on the pushing rod, and one end of the swinging rod is a spring having one end urged the front shell.

5. The improved structure of a receptacle for earphone wire of claim 1 or 2, wherein a clipping body is provided to the mounting of the front and the rear shell, and a top and bottom holes are respective formed at the top end and bottom end of the combination of the front shell and the bottom shell alloy the earphone wire and the connection wire to pass through.

6. The improved structure of a receptacle for earphone wire of claim 1, wherein the rolling disc is provided circumferentially a rolling recess for the rolling of the earphone wire, one side of the rolling disc is a spring

recess to accommodate a rolling-type spring and the other side of the rolling disc is a recess to accommodate a soft-coiled wire, and the outer side of the coiled wire is a fastening board mounted on the shaft rod, allowing the mounting of the rolling disc, and a protruded edge is provided on the recess and has a plurality of engaging slots to engage with an interconnection rod at one end, and one end of the spring is mounted to the rolling disc, and the other end is mounted onto the shaft rod.

7. The improved structure of a receptacle for earphone wire of claim 1, wherein the connection wire is a wire extended from a connector, which can be mounted to the output of a mobile phone or earphone to transmit signals, and one end of the connection wire is connected to one end of the soft-coiled wire passing through the fastening board.